BRUHAT BANGALORE MAHANAGAR PALIKE

Project Division, Yelahanka Zone

SCHEDULE - B

Package No-14

1.Construction of Classrooms and providing basic amenities to Yelahanka Govt First Grade College in Yelahanka Division

2.Constraction of Health Building at B Sector in Ward No.04 in Yelahanaka Satelite Town Sub Division

3.Construction of Samudhaya Bhavana at Best County-III and Providing Gym Equipments at Best County-II in Ward No.03 Yelahanka Sub Division

SNo	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
1	1313.00	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.and directions of the Engineer in charge.	Cum	489.77	Rupees Four Hundred Eighty Nine And Paise Seventy Seven Only
2	72.83	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications and directions of the Engineer in charge.	Cum	2649.55	Rupees Two Thousand Six Hundred Forty Nine And Paise Fifty Five Only
3	75.84	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of the Engineer in charge.	Cum	5565.26	Rupees Five Thousand Five Hundred Sixty Five And Paise Twenty Six Only
4	94.86	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of the Engineer in charge.	Cum	5914.32	Rupees Five Thousand Nine Hundred Fourteen And Paise Thirty Two Only
5	149.56	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas per specifications and directions of the Engineer in charge.	Cum	5013.32	Rupees Five Thousand Thirteen And Paise Thirty Two Only
6	691.81	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. and directions of the Engineer in charge.	Cum	219.25	Rupees Two Hundred Nineteen And Paise Twenty Five Only
7	411.59	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge	Cum	67.76	Rupees Sixty Seven And Paise Seventy Six Only
8	623.18	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons and directions of the Engineer in charge.	Sqm	281.43	Rupees Two Hundred Eighty One And Paise Forty Three Only

Executive Engineer
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.o	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
9	463.79	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. and directions of the Engineer in charge.	Sqm	390.51	Rupees Three Hundred Ninety And Paise Fifty One Only
10	1109.99	Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaitonand directions of the Engineer in charge.	Sqm	497.40	Rupees Four Hundred Ninety Seven And Paise Forty Only
11	1610.74	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs and directions of the Engineer in charge.	Sqm	436.32	Rupees Four Hundred Thirty Six And Paise Thirty Two Only
12	90.13	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. and directions of the Engineer in charge.	Sqm	823.55	Rupees Eight Hundred Twenty Three And Paise Fifty Five Only
13	1170.92	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons and directions of the Engineer in charge.	Sqm	318.51	Rupees Three Hundred Eighteen And Paise Fifty One Only
14	159.21	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton and directions of the Engineer in charge.	Sqm	567.22	Rupees Five Hundred Sixty Seven And Paise Twenty Two Only
15	140.43	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton and directions of the Engineer in charge.	Sqm	352.33	Rupees Three Hundred Fifty Two And Paise Thirty Three Only
16	312.19	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.and directions of the Engineer in charge.	Cum	6339.73	Rupees Six Thousand Three Hundred Thirty Nine And Paise Seventy Three Only

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Sl No	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
17	68.52	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specificationsand directions of the Engineer in charge.	Cum	6593.89	Rupees Six Thousand Five Hundred Ninety Three And Paise Eighty Nine Only
18	39.11	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specificationsand directions of the Engineer in charge. (First Floor)	Cum	6659.33	Rupees Six Thousand Six Hundred Fifty Nine And Paise Thirty Three Only
19	39.22	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications.and directions of the Engineer in charge. (Second Floor)	Cum	6724.78	Rupees Six Thousand Seven Hundred Twenty Four And Paise Seventy Eight Only
20	42.80	: Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and directions of the Engineer in charge.(Third Floor)	Cum	6790.23	Rupees Six Thousand Seven Hundred Ninety And Paise Twenty Three Only

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,o	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
21	2.03	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications.and directions of the Engineer in charge. (Head room)	Cum	6855.68	Rupees Six Thousand Eight Hundred Fifty Five And Paise Sixty Eight Only
22	322.33	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. complete as per specifications.and directions of the Engineer in charge.	Cum	5996.13	Rupees Five Thousand Nine Hundred Ninety Six And Paise Thirteen Only
23	36.36	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.and directions of the Engineer in charge.	Sqm	541.04	Rupees Five Hundred Forty One And Paise Four Only
24	21.96	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.and directions of the Engineer in charge. (First Floor)	Sqm	546.49	Rupees Five Hundred Forty Six And Paise Forty Nine Only
25	23.22	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.and directions of the Engineer in charge. (Second Floor)	Sqm	551.94	Rupees Five Hundred Fifty One And Paise Ninety Four Only
26	32.58	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.and directions of the Engineer in charge. (Third Floor)	Sqm	557.40	Rupees Five Hundred Fifty Seven And Paise Forty Only

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				In figures	In words
27	1.26	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.226lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications and directions of the Engineer in charge. (Head Room)	Sqm	562.85	Rupees Five Hundred Sixty Two And Paise Eighty Five Only
28	78.61	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.and directions of the Engineer in charge	MT	77409.71	Rupees Seventy Seven Thousand Four Hundred Nine And Paise Seventy One Only
29	18.48	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.and directions of the Engineer in charge.(First Floor)	MT	78225.63	Rupees Seventy Eight Thousand Two Hundred Twenty Five And Paise Sixty Three Only
30	13.88	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.and directions of the Engineer in charge.(Second Floor)	MT	79041.55	Rupees Seventy Nine Thousand Forty One And Paise Fifty Five Only
31	15.40	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.and directions of the Engineer in charge.(Third Floor)	MT	79857.47	Rupees Seventy Nine Thousand Eight Hundred Fifty Seven And Paise Forty Seven Only
32	0.95	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.and directions of the Engineer in charge.(Head room))	MT	80673.39	Rupees Eighty Thousand Six Hundred Seventy Three And Paise Thirty Nine Only
33	406.01	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications.and directions of the Engineer in charge.	Sqm	994.81	Rupees Nine Hundred Ninety Four And Paise Eighty One Only

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	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
34	340.12	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications and directions of the Engineer in charge.(First Floor)	Sqm	1032.99	Rupees One Thousand Thirty Two And Paise Ninety Nine Only
35	340.21	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications..and directions of the Engineer in charge.(Second Floor)	Sqm	1071.17	Rupees One Thousand Seventy One And Paise Seventeen Only
36	814.67	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications..and directions of the Engineer in charge.(Third Floor)	Sqm	1109.34	Rupees One Thousand One Hundred Nine And Paise Thirty Four Only
37	46.29	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications.and directions of the Engineer in charge.(Head Room Floor)	Sqm	1313.15	Rupees One Thousand Three Hundred Thirteen And Paise Fifteen Only
38	153.47	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications.and directions of the Engineer in charge.	Sqm	884.64	Rupees Eight Hundred Eighty Four And Paise Sixty Four Only
39	107.63	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications..and directions of the Engineer in charge.(First Floor)	Sqm	922.82	Rupees Nine Hundred Twenty Two And Paise Eighty Two Only

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				In figures	In words
40	83.87	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications..and directions of the Engineer in charge.(Second Floor)	Sqm	960.99	Rupees Nine Hundred Sixty And Paise Ninety Nine Only
41	348.29	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications..and directions of the Engineer in charge.(Third Floor)	Sqm	999.17	Rupees Nine Hundred Ninety Nine And Paise Seventeen Only
42	77.96	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications..and directions of the Engineer in charge.(Head Room)	Sqm	1037.35	Rupees One Thousand Thirty Seven And Paise Thirty Five Only
43	1080.64	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.and directions of the Engineer in charge.	Sqm	284.70	Rupees Two Hundred Eighty Four And Paise Seventy Only
44	459.45	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.and directions of the Engineer in charge.(First Floor)	Sqm	297.79	Rupees Two Hundred Ninety Seven And Paise Seventy Nine Only
45	459.54	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.and directions of the Engineer in charge.(Second Floor)	Sqm	310.88	Rupees Three Hundred Ten And Paise Eighty Eight Only
46	1086.37	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.and directions of the Engineer in charge.(Third Floor)	Sqm	323.97	Rupees Three Hundred Twenty Three And Paise Ninety Seven Only
47	271.90	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.and directions of the Engineer in charge.(Head room)	Sqm	337.06	Rupees Three Hundred Thirty Seven And Paise Six Only
48	419.80	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge.	Sqm	222.52	Rupees Two Hundred Twenty Two And Paise Fifty Two Only

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49	582.75	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specificationsand directions of the Engineer in charge. (First Floor)	Sqm	229.07	Rupees Two Hundred Twenty Nine And Paise Seven Only
50	827.65	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge (second Floor)	Sqm	235.61	Rupees Two Hundred Thirty Five And Paise Sixty One Only
51	750.57	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (Third Floor)	Sqm	242.16	Rupees Two Hundred Forty Two And Paise Sixteen Only
52	50.28	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (Head room)	Sqm	248.70	Rupees Two Hundred Forty Eight And Paise Seventy Only
53	376.65	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge.	Sqm	245.43	Rupees Two Hundred Forty Five And Paise Forty Three Only
54	321.36	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge.(First Floor)	Sqm	251.97	Rupees Two Hundred Fifty One And Paise Ninety Seven Only
55	332.04	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specificationsand directions of the Engineer in charge. (Second Floor)	Sqm	258.52	Rupees Two Hundred Fifty Eight And Paise Fifty Two Only
56	323.19	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (Third Floor)	Sqm	265.06	Rupees Two Hundred Sixty Five And Paise Six Only
57	21.69	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specificationsand directions of the Engineer in charge.(Head Room)	Sqm	271.61	Rupees Two Hundred Seventy One And Paise Sixty One Only
58	314.93	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge.	Sqm	223.61	Rupees Two Hundred Twenty Three And Paise Sixty One Only

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				In figures	In words
59	284.54	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, incldng cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge.(First Floor)	Sqm	230.16	Rupees Two Hundred Thirty And Paise Sixteen Only
60	158.88	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, incldng cost of materials, labour, curing complete as per specifications (Second Floor)	Sqm	236.70	Rupees Two Hundred Thirty Six And Paise Seventy Only
61	479.53	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, incldng cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (ThirdFloor)	Sqm	243.25	Rupees Two Hundred Forty Three And Paise Twenty Five Only
62	5761.55	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification.and directions of the Engineer in charge.	Sqm	85.08	Rupees Eighty Five And Paise Eight Only
63	1891.07	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.and directions of the Engineer in charge.	Sqm	98.17	Rupees Ninety Eight And Paise Seventeen Only
64	1374.92	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specificationsand directions of the Engineer in charge.	Sqm	128.71	Rupees One Hundred Twenty Eight And Paise Seventy One Only
65	614.58	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications and directions of the Engineer in charge.	Sqm	370.87	Rupees Three Hundred Seventy And Paise Eighty Seven Only
66	487.35	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specificationsand directions of the Engineer in charge.(First Floor)	Sqm	379.60	Rupees Three Hundred Seventy Nine And Paise Sixty Only

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S.No	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
67	489.03	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications and directions of the Engineer in charge.(Second Floor)	Sqm	388.32	Rupees Three Hundred Eighty Eight And Paise Thirty Two Only
68	1147.66	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specificationsand directions of the Engineer in charge.(Third Floor)	Sqm	397.05	Rupees Three Hundred Ninety Seven And Paise Five Only
69	271.90	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specificationsand directions of the Engineer in charge.(Head room)	Sqm	405.78	Rupees Four Hundred Five And Paise Seventy Eight Only
70	50.23	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specificationand directions of the Engineer in charge.	Sqm	4860.60	Rupees Four Thousand Eight Hundred Sixty And Paise Sixty Only
71	36.92	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specificationand directions of the Engineer in charge.(First Floor)	Sqm	4862.79	Rupees Four Thousand Eight Hundred Sixty Two And Paise Seventy Nine Only
72	36.92	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specification.and directions of the Engineer in charge.(Second Floor)	Sqm	4864.97	Rupees Four Thousand Eight Hundred Sixty Four And Paise Ninety Seven Only
73	25.77	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specificationand directions of the Engineer in charge.(Third Floor)	Sqm	4867.15	Rupees Four Thousand Eight Hundred Sixty Seven And Paise Fifteen Only

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Sl No	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
74	384.00	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 900mm,complete as per Specification and directions of the Engineer in charge.	Sqm	2626.65	Rupees Two Thousand Six Hundred Twenty Six And Paise Sixty Five Only
75	384.00	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 900mm,complete as per Specification and directions of the Engineer in charge. (First Floor)	Sqm	2628.83	Rupees Two Thousand Six Hundred Twenty Eight And Paise Eighty Three Only
76	419.66	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 900mm,complete as per Specification.and directions of the Engineer in charge. (Second Floor)	Sqm	2631.01	Rupees Two Thousand Six Hundred Thirty One And Paise One Only
77	1263.95	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 900mm,complete as per Specification.and directions of the Engineer in charge.(Third Floor)	Sqm	2633.19	Rupees Two Thousand Six Hundred Thirty Three And Paise Nineteen Only
78	16.15	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 900mm,complete as per Specificationand directions of the Engineer in charge. (Head room)	Sqm	2635.37	Rupees Two Thousand Six Hundred Thirty Five And Paise Thirty Seven Only
79	379.65	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications and directions of the Engineer in charge.	Sqm	688.29	Rupees Six Hundred Eighty Eight And Paise Twenty Nine Only

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No	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
80	310.80	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specificationsand directions of the Engineer in charge. (First Floor)	Sqm	690.48	Rupees Six Hundred Ninety And Paise Forty Eight Only
81	312.14	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specificationsand directions of the Engineer in charge. (Second Floor)	Sqm	692.66	Rupees Six Hundred Ninety Two And Paise Sixty Six Only
82	670.73	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications and directions of the Engineer in charge. (Third Floor)	Sqm	694.84	Rupees Six Hundred Ninety Four And Paise Eighty Four Only
83	6.72	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications and directions of the Engineer in charge. (Head room)	Sqm	697.02	Rupees Six Hundred Ninety Seven And Paise Two Only
84	116.98	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. and directions of the Engineer in charge.	Sqm	1780.19	Rupees One Thousand Seven Hundred Eighty And Paise Nineteen Only

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	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
85	83.88	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. and directions of the Engineer in charge. (First Floor)	Sqm	1782.37	Rupees One Thousand Seven Hundred Eighty Two And Paise Thirty Seven Only
86	26.13	Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 600x 600x 10 mm thick fixed on existing flooring withspecial adhesive for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc complete as per specification and directions of the Engineer in charge.	Sqm	1128.98	Rupees One Thousand One Hundred Twenty Eight And Paise Ninety Eight Only
87	26.13	Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 600x 600x 10 mm thick fixed on existing flooring withspecial adhesive for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc complete as per specification and directions of the Engineer in charge. (First Floor)	Sqm	1131.16	Rupees One Thousand One Hundred Thirty One And Paise Sixteen Only
88	600.53	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specificationand directions of the Engineer in charge.	Sqm	573.76	Rupees Five Hundred Seventy Three And Paise Seventy Six Only
89	42.00	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specificationsand directions of the Engineer in charge.	No	1490.03	Rupees One Thousand Four Hundred Ninety And Paise Three Only
90	6.47	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification and directions of the Engineer in charge.	Cum	95558.44	Rupees Ninety Five Thousand Five Hundred Fifty Eight And Paise Forty Four Only
91	20.37	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specificationand directions of the Engineer in charge.	Sqm	5150.76	Rupees Five Thousand One Hundred Fifty And Paise Seventy Six Only

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	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
92	14.07	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures)and directions of the Engineer in charge. (First Floor)	Sqm	5155.12	Rupees Five Thousand One Hundred Fifty Five And Paise Twelve Only
93	12.18	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) and directions of the Engineer in charge. (Second Floor)	Sqm	5159.48	Rupees Five Thousand One Hundred Fifty Nine And Paise Forty Eight Only
94	32.34	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures)and directions of the Engineer in charge.(Third Floor)	Sqm	5163.85	Rupees Five Thousand One Hundred Sixty Three And Paise Eighty Five Only
95	2.52	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) and directions of the Engineer in charge. (Head room)	Sqm	5168.21	Rupees Five Thousand One Hundred Sixty Eight And Paise Twenty One Only
96	79.88	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specificationsand directions of the Engineer in charge.	Sqm	105.81	Rupees One Hundred Five And Paise Eighty One Only
97	1.44	Providing and fixing in position fully glazed shutters for ventilators side hung or central pivoted with Honne wood styles and rails of 30mm. thick, 50mm wide and central divider of 30mm. wide, 3mm thick reeded glass fixed with wooden beading of size 10mm wide flushed to the thickness of the frame including cost of materials, labour charges, HOM of machineries complete as per specifications. (excluding cost of fixtures)and directions of the Engineer in charge.	Sqm	4459.19	Rupees Four Thousand Four Hundred Fifty Nine And Paise Nineteen Only
98	1.44	Providing and fixing in position fully glazed shutters for ventilators side hung or central pivoted with Honne wood styles and rails of 30mm. thick, 50mm wide and central divider of 30mm. wide, 3mm thick reeded glass fixed with wooden beading of size 10mm wide flushed to the thickness of the frame including cost of materials, labour charges, HOM of machineries complete as per specifications. (excluding cost of fixtures)and directions of the Engineer in charge.(First Floor)	Sqm	4463.55	Rupees Four Thousand Four Hundred Sixty Three And Paise Fifty Five Only
99	1.44	Providing and fixing in position fully glazed shutters for ventilators side hung or central pivoted with Honne wood styles and rails of 30mm. thick, 50mm wide and central divider of 30mm. wide, 3mm thick reeded glass fixed with wooden beading of size 10mm wide flushed to the thickness of the frame including cost of materials, labour charges, HOM of machineries complete as per specifications. (excluding cost of fixtures) and directions of the Engineer in charge.(Second Floor)	Sqm	4467.92	Rupees Four Thousand Four Hundred Sixty Seven And Paise Ninety Two Only

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Sl. No	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
100	4.32	Providing and fixing in position fully glazed shutters for ventilators side hung or central pivoted with Honne wood styles and rails of 30mm. thick, 50mm wide and central divider of 30mm. wide, 3mm thick reeded glass fixed with wooden beading of size 10mm wide flushed to the thickness of the frame including cost of materials, labour charges, HOM of machineries complete as per specifications. (excluding cost of fixtures) and directions of the Engineer in charge. (third Floor)	Sqm	4472.28	Rupees Four Thousand Four Hundred Seventy Two And Paise Twenty Eight Only
101	0.36	Providing and fixing in position fully glazed shutters for ventilators side hung or central pivoted with Honne wood styles and rails of 30mm. thick, 50mm wide and central divider of 30mm. wide, 3mm thick reeded glass fixed with wooden beading of size 10mm wide flushed to the thickness of the frame including cost of materials, labour charges, HOM of machineries complete as per specifications. (excluding cost of fixtures) and directions of the Engineer in charge.(Head Room)	Sqm	4476.64	Rupees Four Thousand Four Hundred Seventy Six And Paise Sixty Four Only
102	12.60	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality	Sqm	4145.04	Rupees Four Thousand One Hundred Forty Five And Paise Four Only
103	9.45	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality	Sqm	4149.40	Rupees Four Thousand One Hundred Forty Nine And Paise Forty Only

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Sl. No	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
104	71.55	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section	Sqm	4837.70	Rupees Four Thousand Eight Hundred Thirty Seven And Paise Seventy Only
105	63.45	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section	Sqm	4844.24	Rupees Four Thousand Eight Hundred Forty Four And Paise Twenty Four Only
106	66.60	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section	Sqm	4850.79	Rupees Four Thousand Eight Hundred Fifty And Paise Seventy Nine Only

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Sl No	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
107	69.30	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section	Sqm	4857.33	Rupees Four Thousand Eight Hundred Fifty Seven And Paise Thirty Three Only
108	2.70	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section	Sqm	4863.88	Rupees Four Thousand Eight Hundred Sixty Three And Paise Eighty Eight Only
109	2400.30	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specification and directions of the Engineer in charge.	kg	103.63	Rupees One Hundred Three And Paise Sixty Three Only
110	1296.54	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.and directions of the Engineer in charge. (First Floor)	kg	110.17	Rupees One Hundred Ten And Paise Seventeen Only
111	1409.94	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specificationsand directions of the Engineer in charge. (Second Floor)	kg	116.72	Rupees One Hundred Sixteen And Paise Seventy Two Only

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	Quantity	Item Name	Unit	Approved Rates of Sri. H V Onkarappa	
				In figures	In words
112	1566.18	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specificationsand directions of the Engineer in charge. (Third Floor)	kg	123.26	Rupees One Hundred Twenty Three And Paise Twenty Six Only
113	64.26	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.and directions of the Engineer in charge. (Head room)	kg	129.81	Rupees One Hundred Twenty Nine And Paise Eighty One Only
114	49.67	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and directions of the Engineer in charge. . (First Floor)	Sqm	5863.05	Rupees Five Thousand Eight Hundred Sixty Three And Paise Five Only
115	53.82	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and directions of the Engineer in charge. . (Second Floor)	Sqm	5869.59	Rupees Five Thousand Eight Hundred Sixty Nine And Paise Fifty Nine Only
116	141.87	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and directions of the Engineer in charge. (Third Floor)	Sqm	5876.14	Rupees Five Thousand Eight Hundred Seventy Six And Paise Fourteen Only
117	767.36	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications and directions of the Engineer in charge.	sqm	103.63	Rupees One Hundred Three And Paise Sixty Three Only

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Item No.	Quantity	Item Name	Unit	Approved Rates of Sri. H V Omkarappa	
				In figures	In words
118	81.18	Providing and fixing Stainless steel staircase railing as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications and directions of the Engineer in charge	sqm	6567.71	Rupees Six Thousand Five Hundred Sixty Seven And Paise Seventy One Only
119	50.30	Providing and fixing Stainless steel staircase railing as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specificationsand directions of the Engineer in charge. (First Floor)	sqm	6574.25	Rupees Six Thousand Five Hundred Seventy Four And Paise Twenty Five Only
120	50.30	Providing and fixing Stainless steel staircase railing as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specificationsand directions of the Engineer in charge. (Second Floor)	sqm	6580.80	Rupees Six Thousand Five Hundred Eighty And Paise Eighty Only
121	17.73	Providing and fixing Stainless steel staircase railing as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specificationsand directions of the Engineer in charge. (Third Floor)	sqm	6587.34	Rupees Six Thousand Five Hundred Eighty Seven And Paise Thirty Four Only
122	389.66	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) and directions of the Engineer in charge.	Cum	354.51	Rupees Three Hundred Fifty Four And Paise Fifty One Only
123	21.00	Green Board (8FTX4FT) with wooden beading. Data rate to be Aprooved complete as per specificationsand directions of the Engineer in charge.	No	13574.40	Rupees Thirteen Thousand Five Hundred Seventy Four And Paise Forty Only
124	21.00	Pin Board (4FTX3FT) Data rate to be Aprooved complete as per specificationsand directions of the Engineer in charge.	No	2205.84	Rupees Two Thousand Two Hundred Five And Paise Eighty Four Only

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	Quantity	Item Name	Unit	Approved Rates of Sri. H V Universpps	
				In figures	In words
125	85.44	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unservicesble material and stacking the servicesble material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification complete as per specificationsand and directions of the Engineer in charge.	Cum	425.41	Rupees Four Hundred Twenty Five And Paise Forty One Only
126	23398.62	Fabricating, supplying and erecting M.S. TubularTruss of span upto 10m. The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification and directions of the Engineer in charge.	kgs	140.71	Rupees One Hundred Forty And Paise Seventy One Only
127	621.51	Puffed panel (Data Rate)Lightweight, energy-efficient and durable panels , PUF panels consist of a rigid core sandwiched between sheet metal structural boards. PUF insulated sandwich panels integrate joists and studs, insulation, vapor and air barriers. complete as per specificationsand and directions of the Engineer in charge.	Sqm	4242.00	Rupees Four Thousand Two Hundred Forty Two Only
128	621.51	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications and directions of the Engineer in charge.	Sqm	44.72	Rupees Forty Four And Paise Seventy Two Only
129	399.32	Providing & Fixing of Mineral Fibre Suspended Ceiling System in the module size of 600x600x19mm with exposed grid. The tiles should have Humidity Resistance(RH) of 99%, Light Reflectance 87%, Thermal conductivity k=0.052-0.057w/m K,NRC-0.7, colour white, Fire Performance UK A2 S1, do with antimicrobial coating on the face of the tile, suitable for zone 4 area according to NF S 90-35:2003 with clean room clss of ISO 5(class 100), Decontamination class of CP10 and Bactoriological cleanlines class B1 for specific strains and reduction in colony size. Washability properties of 500 wash cycles as per ASTM D-4828 and suitable for Green Building application with Recycled content of 37%. The tile shall be laid on 24mm wide T-section flanges colour white having rotary stitching on all t sections i.e. the main runner, 1200mm & 600mm cross tees with web height f 38mm and a load carrying sections should have a galvanizing of 90grmas per sqm and need to be installed with suspension system of approved make.complete as per specifications and directions of the Engineer in charge.	Sqm	2709.55	Rupees Two Thousand Seven Hundred Nine And Paise Fifty Five Only

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